

DARK COLOR INK, AND COATING LIQUID, FILM, SUBSTRATE, RESIN COMPOSITION, AND MOLDED RESIN ARTICLE PREPARED BY USING THE SAME

D3

Patent number: JP2001262016 (A)
Publication date: 2001-09-26
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Classification:
- international: C08J5/00; C08K3/04; C08K3/22; C08K3/28; C08K7/18; C08L29/14; C08L33/00; C08L67/00; C08L69/00; C09D11/00; C09D201/00; C08J5/00; C08K3/00; C08K7/00; C08L29/00; C08L33/00; C08L67/00; C08L69/00; C09D11/00; C09D201/00; (IPC1-7): C09D11/00; C08J5/00; C08K3/04; C08K3/22; C08K3/28; C08K7/18; C08L29/14; C08L33/00; C08L67/00; C08L69/00; C09D201/00
- european:
Application number: JP20000076325 20000314
Priority number(s): JP20000076325 20000314

Abstract of JP 2001262016 (A)

PROBLEM TO BE SOLVED: To provide a dark color ink which has durability better than that obtained by using a conventional organic dye, is excellent in color tone, and is used for obtaining a film which can provide both privacy protection and sunlight-screening effects and to provide a coating liquid, a film, a substrate, a resin composition, and a molded resin article prepared by using the same.

SOLUTION: This dark color ink contains a dispersed dark color component comprising inorganic fine particles of titanium oxide nitride, titanium nitride, carbon black, or iron oxide and a dispersed sunlight-screening component comprising inorganic fine particles of ATO and/or ITO. The coating liquid is prepared by mixing the ink with a resin binder selected from among ultraviolet-curable resins, electron-beam-curable resins, thermosetting resins, and thermoplastic resins and is applied to films and substrates. The ink is mixed with an acrylic resin, a polyester resin, a butyral resin, or a polycarbonate resin to give the resin composition or the molded resin article.

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